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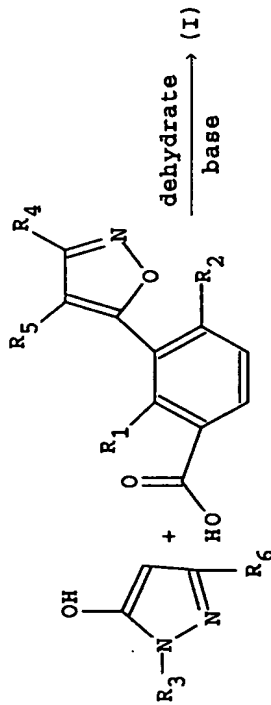
2097/4116

<p>98-041691/04 C02 NIPS 96.04.26 NIPPON SODA CO *WO 9741116-AI 96.12.26 96JP-356866(+96JP-131170) (97.11.06) C07D 413/10, A01N 43/56</p> <p>New 4-(1,2-isoxazol-5-yl)-benzoylpyrazole derivatives - are herbicides with high safety towards crops e.g. wheat (Jpn) C98-013843 N(AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN) R(AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG)</p> <p>Addnl. Data: ADACHI H, TANAKA K, YAMAGUCHI M, MIYAHARA O, KOGUCHI M, KAWANA T, TAKAHASHI A, YAMADA S 97.02.10 97WO-JP00340, 96.11.13 96JP-317153, 96.11.13 96JP-317154</p>	<p>C(7-EI, 14-V2B) .2</p> <div data-bbox="565 426 865 915"></div> <p>R₁ = 1-6C alkoxy or 1-6C haloalkoxy; R₂ = halo, 1-6C haloalkyl, 1-6C alkylthio, 1-6C alkylsulphinyl or 1-6C alkylsulphonyl; R₃ = H or 1-6C alkyl; R₄-R₆ = H, 1-6C alkyl or 1-6C haloalkyl.</p> <p><u>USE</u> (I) are herbicides.</p>	<p>4-(1,2-Isioxazol-5-yl)-benzoylpyrazole derivatives of formula (I) and their salts are new.</p>	<p>WO 9741116-A+</p>
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ADVANTAGE

(I) are selective with high safety towards crops such as wheat and corn.

PREPARATION



EXAMPLE

2-Methoxy-4-methanesulphonyl-3-(3-methyl-1,2-isoxazol-5-yl) benzoyl chloride (0.82g) in CH₂Cl₂ (3ml) was added dropwise to 1-ethyl-5-hydroxy-pyrazole (0.41g) and NEt₃ (0.56g) in CH₂Cl₂ (10ml) and the mixture was stirred for 1 hour at room temperature. Work-up including silica gel chromatography gave 20 mg 1-ethyl-5-hydroxy-4-

{2-methoxy-3-(3-methyl-1,2-isoxazol-5-yl)-4-methanesulphonyl-benzoyl}-pyrazole, m.pt. 194-196 °C.

HERBICIDAL DATA

(I: R₁ = OMe; R₂ = SO₂Me; R₃, R₄=Me; R₅, R₆ = H) at 63g/ha gave 100% control of *Echinochloa crus galli* and *Xanthium strumarium* with no phytotoxicity towards wheat.(CBB)

(40pp1839DwgNo.0/0)

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